

Exhibit 4b

Translation of excerpts of Scard business plan (exhibit 4a)
The page numbers refer to the page numbers in exhibit 4a

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Business plan
The Scard Company
February 19, 1998
Written by
Bjarke Gottfredsen and
Jerry Nielsen

Page 2:

March 26, 1998
Confidential!
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1.1. Product idea:

Mouse pad, taking advantage of the pads top surface for advertising purposes, and with an integrating smart card read/write unit.

Smart cards are one of the future's data media. The propagation of smart card is heavily expanding, for example can be mentioned:

♦ that the future's credit cards (1998) will be based on smart cards. All on-line trade via the internet can in the future be enabled with smart card devices.

♦ that Microsoft per August 1997 have introduced smart card architecture in their future operating systems, thus also Windows 98, which will be released in the spring of 1998.

♦ that electronic signature in the future will be done with a smart card. Today one's signature key is stored on the local hard drive, but many is using PC's both at work and at home. Therefore this key will be moved to a smart card. This also ensures that the key is not misused by others with access to the PC.

♦ that several payment- and verification systems already today is using smart cards, e.g. our own "DanMønt", phone cards, and encryption of payment TV. A smart card interface will give the owner the possibility of seeing balances and transactions on payment cards, and it will make possible updating of the card via Internet.

When getting a read/write device, it could be problematic to have to place yet another device on the user's desk. The idea is therefore to integrate the smart card read/write unit with the mouse pad.

Furthermore we have chosen, that the mouse pads top surface shall be used for advertising purposes. This is not a new idea, but it is essential for sales of our product because we by doing so targets another market segment than competitor's in the smart card read/write unit industry.

Using the excellent advertising space also serves the purpose at we can affect the selected strategy of our primary customers. Scardpad has a very big marketing power at the introduction of bank's/credit card companies'/companies' introduction of smart card applications to the market.

The combination of advertising, mouse pad functionality and access to smart card handling gives the customers the ability to introduce smart cards in their own applications, without expecting negative reactions from their customers. Our customers will immediately be able to require that their customer use smart cards, because they will be providing the needed hardware and software and at the same time they will get a strategically well placed, very visible advertising space into their customers working environment.

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5.2. Product development

The prototype development has so far been done by the inventor for his own means...

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5.5. Action plan

The action plan for establishing the ScardPad production is (draft):

- 1 Prototype developmentcompletion April - May 1998
- 2 Prior art search in the US¹February - March 1998
- 3 Business planCompletion ultimo March 1998
- 4 Application to DTI, contact person Stig TrollebøMedio - ultimo March 1998
- 5 Finding supply channelsApril - June 1998
- 6 Patent applicationApril - May 1998
- 7 Cooperation with DTI innovation on productionstart May 1998
- 8 Series 1 in productionJuly 1998?

Note 1: Will be made by Hoffman-Bang & Boutard, Hans Bekkevolds Allé 7, 2900 Hellerup, Contact Ole Jagtboe

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6. Product description

6.1. ScardPad

The product is a mouse pad with an integrated smart card read/write unit. ScardPad is connected to a PC or keyboard with a cable (RS232 eller USB). The top of ScardPad contains advertising print.

...

6.1.2. Technical product description (prototype)

ScardPad is formed as a conventional, only it contains a smart card read/write device in the foam of the middle layer in the mouse pad. The bottom is an anti-slip bottom surface and on top there is a layer where the mouse's navigation ball moves. This top layer is used for advertising (logos, text, pictures etc.).

ScardPad connects to the PC with a cable mounted with a serial plug (Sub-D-RS232). The mouse pad is delivered with an adapter so that the pad can be connected to a USB plug.

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6.1.2.1. Bill of materiale

The following description is based on the prototype as it looks today. It must be emphasized that this prototype is not the finished ScardPad, since this model communicates through the PC's parallel port.

1 conventionel mouse pad, 245 x 205 mm and min. 6 mm thick

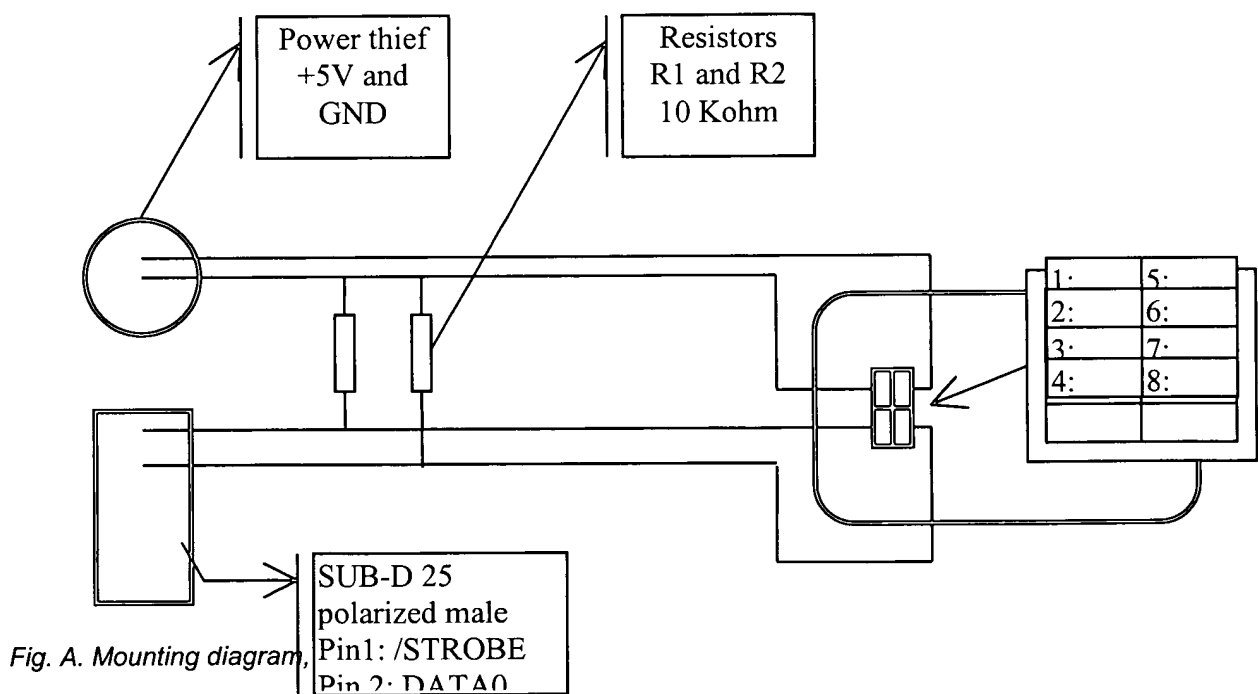
1 smart card connector, which complies with the specifications of ISO 7816. The connector can be bought at Farnell - product no. 7001PM020812A.

1 25 pin SUB-D male plug. Farnell product no. CF25.150-766.

1 keyboard "power thief". Can be bought ready made, or alternatively manufactures by 2 PS2-keyboard plugs (male and female), where +5V og ground is extracted separately.

1 PCB printboard with the dimensions (HxLxW) 1,6 x 70 x 58 mm, made after our specifications.

2 10 Kohm resistors (R1, R2).Farnell product no. 509-280.



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6.1.2.2. Mounting

Connect +5 volt from

- ⇒ SmartCard connection 1 (VCC)
- ⇒ Power thieves +5 volts connection
- ⇒ R1
- ⇒ R2

Connect ground/GND from

- ⇒ SmartCard connection 5 (GND)
- ⇒ Power thieves GND connection

Connect Clock from

- ⇒ SUB-D plug's pin ben 2 (DATA0)
- ⇒ SmartCard connection 3 (SCL)
- ⇒ R1

Connect Data from

- ⇒ SUB-D plug's pin 1 (C/STROBE)
- ⇒ SmartCard connection 7 (SDA)
- ⇒ R2

6.1.2.3. Instruction

Power thief is inserted into PC's keyboard plug.

Keyboard plug is inserted into power thief

SUB-D plug is inserted into PC's printer port.

The read/write unit can read ordinary smart cards with I²C communication (2-conductor serial).

6.1.3. Working drawing

ScardPad comprise a conventional mouse pad, made in 3 layers, a smart card read/write unit, a cable with a 9 pin SUB-D plug, an adapter and a USB plug.

The read/write unit is incorporated in the mouse pad's middle layer (rubber foam) and the soldered cable is led out to the back side of the mouse pad, in a channel in the rubber foam. The development phase will show whether the rubber foam layers form is made by molding or cutting.

an anti-slip rubber layer is glued on the the bottom of the pad, and a top layer is glued on which has advertising print. This layer will give the right friction against the mouse's navigation ball.

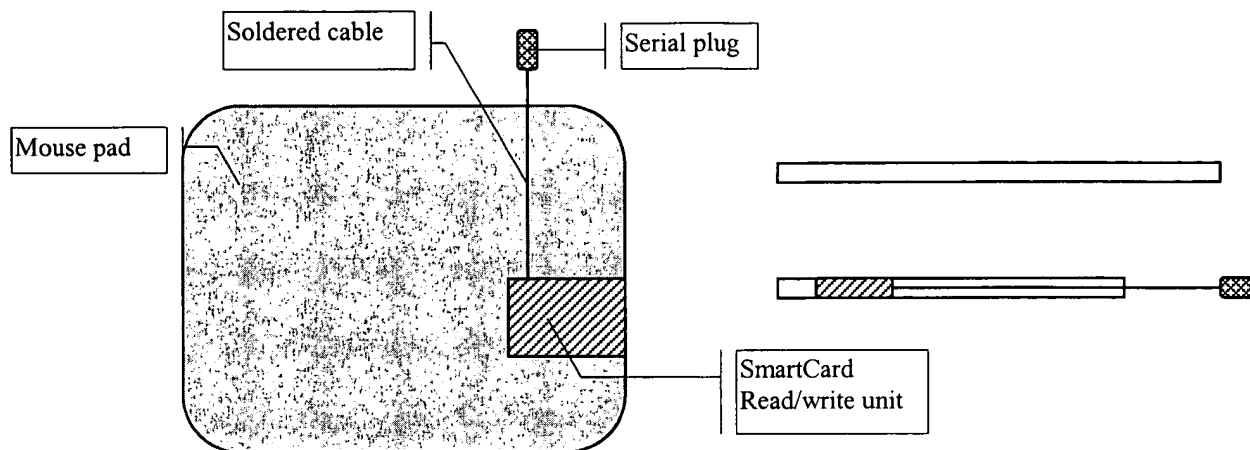


Fig. B. Working draft of ScardPad

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10. Product development

10.1. Product development

The product development has so far been done by the inventor Bjarke Gottfredsen, but can in the future, if possible, be done in cooperation with DTI innovation.

The prototype is as good as finished in a version where the communication takes place through the PC's parallel port and where the power is supplied through a "power thief". The final version shall communicate serially and through USB.

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10.5. Product protection

The product will be protected through patents, first in the US and in Denmark, and then in the EU member countries.

A prior art search has been made in the US, and the product is unknown in the US market according to report of March 12, 1998 from Hoffman-Bang & Boutard.